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10/604,777

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NEWS 3 FEB 25 CA/CAPLUS - Russian Agency for Patents and Trademarks
(ROSPATENT) added to list of core patent offices covered
NEWS 4 FEB 28 PATDPAFULL - New display fields provide for legal status
data from INPADOC
NEWS 5 FEB 28 BABS - Current-awareness alerts (SDIs) available
NEWS 6 FEB 28 MEDLINE/LMEDLINE reloaded
NEWS 7 MAR 02 GBFULL: New full-text patent database on STN
NEWS 8 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS 9 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 10 MAR 22 KOREAPAT now updated monthly; patent information enhanced
NEWS 11 MAR 22 Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS 12 MAR 22 PATDPASPC - New patent database available
NEWS 13 MAR 22 REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS 14 APR 04 EPFULL enhanced with additional patent information and new
fields
NEWS 15 APR 04 EMBASE - Database reloaded and enhanced
NEWS 16 APR 18 New CAS Information Use Policies available online
NEWS 17 APR 25 Patent searching, including current-awareness alerts (SDIs),
based on application date in CA/CAPLUS and USPATFULL/USPAT2
may be affected by a change in filing date for U.S.
applications.
NEWS 18 APR 28 Improved searching of U.S. Patent Classifications for
U.S. patent records in CA/CAPLUS

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:34:58 ON 29 APR 2005

=> FILE RE

'RE' IS AN AMBIGUOUS FILE OR CLUSTER NAME

REACTION - Reactions Cluster

RESEARCH - Research Cluster

REGISTRY - The CAS Registry File of substances

ENTER FILE OR CLUSTER NAME (IGNORE):REG

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

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STRUCTURE FILE UPDATES: 28 APR 2005 HIGHEST RN 849459-72-9

DICTIONARY FILE UPDATES: 28 APR 2005 HIGHEST RN 849459-72-9

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TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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*
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*

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

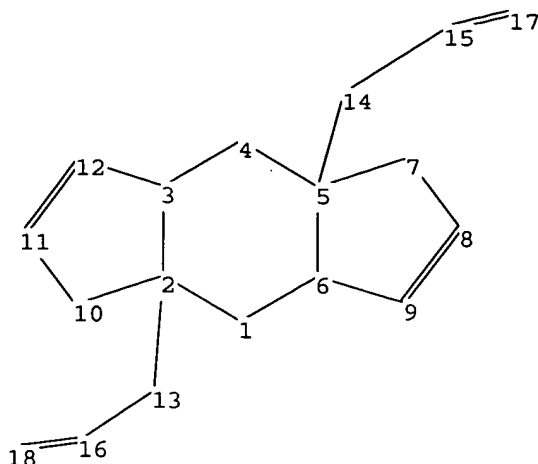
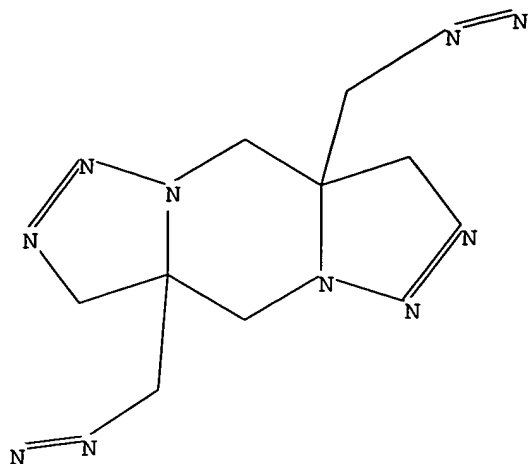
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\Program Files\Stnexp\Queries\ENERGETIC TRIAZOLOPYRAZINE.str



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chain nodes :
13 14 15 16 17 18
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
2-13 5-14 13-16 14-15 15-17 16-18
ring bonds :
1-2 1-6 2-3 2-10 3-4 3-12 4-5 5-6 5-7 6-9 7-8 8-9 10-11 11-12
exact/norm bonds :
1-2 1-6 2-3 2-10 3-4 3-12 4-5 5-6 5-7 6-9 7-8 8-9 10-11 11-12 13-16
14-15 15-17 16-18
exact bonds :
2-13 5-14

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Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS

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L1 STRUCTURE UPLOADED

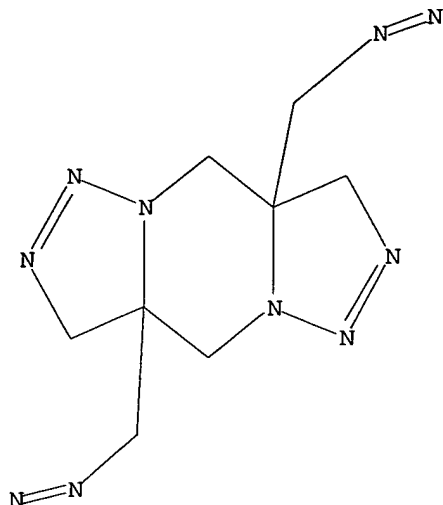
=> que L1

L2 QUE L1

=> D L2

L2 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.
 L2 QUE ABB=ON PLU=ON L1

=> S L2 SSS FULL
 FULL SEARCH INITIATED 14:35:45 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS 1 ANSWERS
 SEARCH TIME: 00.00.01

L3 1 SEA SSS FUL L1

=> FILE CAPLUS		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	161.33	161.54

FILE 'CAPLUS' ENTERED AT 14:35:48 ON 29 APR 2005
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 FILE LAST UPDATED: 28 Apr 2005 (20050428/ED)

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=> S L3

L4 2 L3

=> FILE CAPLUS

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.45

161.99

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=> S L4

L5 2 L3

=> D 1-2 IBIB ABS HITSTR

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2005:29032 CAPLUS

DOCUMENT NUMBER: 142:114074

TITLE: Preparation of polyazido carboxylic acid esters

INVENTOR(S): Dave, Paritosh R.; Duddu, Raja G.; Damavarapu, Reddy; Gelber, Nathaniel; Yang, Kathy; Surapaneni, C. Rao

PATENT ASSIGNEE(S): United States Dept. of the Army, USA

SOURCE: U.S., 9 pp.

CODEN: USXXAM

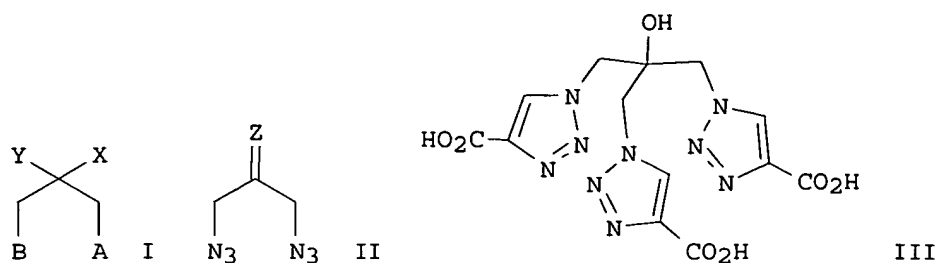
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 6841690	B1	20050111	US 2003-604778	20030815
PRIORITY APPLN. INFO.: GI			US 2002-319801P	P 20021219



AB This invention relates to a series of novel compds., such as I [X = N₃, OH, ONO₂, NO₂; Y = CH₂N₃, NO₂; A, B = N₃, 4-carboxytriazolomethyl], and II [Z = CH₂, O, NOH, 2,4-dihydrophenylhydrozono], including 2-azido-2-azidomethyl-1,3-diazidopropane, 2-azidomethyl-2-hydroxy-1,3-diazidopropane, 2-azidomethyl-2-nitrato-1,3-diazidopropane, 2-azidomethyl-2-nitro-1,3-diazidopropane, 2,2-dinitro-1,3-diazidopropane, methallyldiazide, a dimer of methallyldiazide, comprising 3a,8a-bis-azidomethyl-3a,4,8a,9-tetrahydro-3H,8H-bis[1,2,3]triazolo[1,5-a;1'',5''-d]pyrazine, 1,3-diazidoacetone, and 2-oximido-1,3-diazidopropane. Also shown are reaction intermediates of these compds., including 2,2-bis(chloromethyl)oxirane, and 2,2-bis(azidomethyl)oxirane. In addition, a number of potentially useful energetic compds. have been prepared from the low mol. weight polyazido compds. above, including N-2(azido-1-azidomethyl-ethylidene)-N''-(2,4-dinitrophenyl)-hydrazine (7-DNPH), 1,3-bis(4-carboxytriazolyl)2,2-dinitropropane, tris(4-carboxytriazolomethyl)methanol, benzene-1,3,5-tricarboxylic acid tris(2-azido-1,1-bisazidomethyl-ethyl)ester, adamantane 1,3,5,7-tetracarboxylic acid tetrakis(2-azido-1,1-bisazidomethyl-ethyl)ester, adamantane carboxylic acid (2-azido-1,1-bisazidomethyl-ethyl)ester, cubane 1,3,5,7-tetracarboxylic acid tetrakis bis(2-azido-1,1-bisazidomethyl-ethyl)ester. Thus, tris(4-carboxytriazolomethyl)methanol (III) was prepared by the reaction of 2-azidomethyl-2-hydroxy-1,3-diazidopropane I [A, B = N₃; X = CH₂N₃; Y = OH] (also prepared) with propiolic acid.

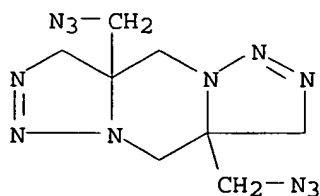
IT **481067-67-8P**, 3a,8a-Bis-azidomethyl-3a,4,8a,9-tetrahydro-3H,8H-bis[1,2,3]triazolo[1,5-a;1'',5''-d]pyrazine

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

(preparation of polyazido carboxylic acid esters derived from methallyl dichloride)

RN 481067-67-8 CAPLUS

CN 3H,8H-Bis[1,2,3]triazolo[1,5-a;1'',5''-d]pyrazine, 3a,8a-bis(azidomethyl)-3a,4,8a,9-tetrahydro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:605702 CAPLUS

DOCUMENT NUMBER: 138:75615

C1CN2C(N1)C(N2)C3C(C1)C(N3)C4C(C1)C(N4)C5C(C1)C(N5)C6C(C1)C(N6)C7C(C1)C(N7)C8C(C1)C(N8)C9C(C1)C(N9)C10C(C1)C(N10)C11C(C1)C(N11)C12C(C1)C(N12)C13C(C1)C(N13)C14C(C1)C(N14)C15C(C1)C(N15)C16C(C1)C(N16)C17C(C1)C(N17)C18C(C1)C(N18)C19C(C1)C(N19)C20C(C1)C(N20)C21C(C1)C(N21)C22C(C1)C(N22)C23C(C1)C(N23)C24C(C1)C(N24)C25C(C1)C(N25)C26C(C1)C(N26)C27C(C1)C(N27)C28C(C1)C(N28)C29C(C1)C(N29)C30C(C1)C(N30)C31C(C1)C(N31)C32C(C1)C(N32)C33C(C1)C(N33)C34C(C1)C(N34)C35C(C1)C(N35)C36C(C1)C(N36)C37C(C1)C(N37)C38C(C1)C(N38)C39C(C1)C(N39)C40C(C1)C(N40)C41C(C1)C(N41)C42C(C1)C(N42)C43C(C1)C(N43)C44C(C1)C(N44)C45C(C1)C(N45)C46C(C1)C(N46)C47C(C1)C(N47)C48C(C1)C(N48)C49C(C1)C(N49)C50C(C1)C(N50)C51C(C1)C(N51)C52C(C1)C(N52)C53C(C1)C(N53)C54C(C1)C(N54)C55C(C1)C(N55)C56C(C1)C(N56)C57C(C1)C(N57)C58C(C1)C(N58)C59C(C1)C(N59)C60C(C1)C(N60)C61C(C1)C(N61)C62C(C1)C(N62)C63C(C1)C(N63)C64C(C1)C(N64)C65C(C1)C(N65)C66C(C1)C(N66)C67C(C1)C(N67)C68C(C1)C(N68)C69C(C1)C(N69)C70C(C1)C(N70)C71C(C1)C(N71)C72C(C1)C(N72)C73C(C1)C(N73)C74C(C1)C(N74)C75C(C1)C(N75)C76C(C1)C(N76)C77C(C1)C(N77)C78C(C1)C(N78)C79C(C1)C(N79)C80C(C1)C(N80)C81C(C1)C(N81)C82C(C1)C(N82)C83C(C1)C(N83)C84C(C1)C(N84)C85C(C1)C(N85)C86C(C1)C(N86)C87C(C1)C(N87)C88C(C1)C(N88)C89C(C1)C(N89)C90C(C1)C(N90)C91C(C1)C(N91)C92C(C1)C(N92)C93C(C1)C(N93)C94C(C1)C(N94)C95C(C1)C(N95)C96C(C1)C(N96)C97C(C1)C(N97)C98C(C1)C(N98)C99C(C1)C(N99)C100C(C1)C(N100)C101C(C1)C(N101)C102C(C1)C(N102)C103C(C1)C(N103)C104C(C1)C(N104)C105C(C1)C(N105)C106C(C1)C(N106)C107C(C1)C(N107)C108C(C1)C(N108)C109C(C1)C(N109)C110C(C1)C(N110)C111C(C1)C(N111)C112C(C1)C(N112)C113C(C1)C(N113)C114C(C1)C(N114)C115C(C1)C(N115)C116C(C1)C(N116)C117C(C1)C(N117)C118C(C1)C(N118)C119C(C1)C(N119)C120C(C1)C(N120)C121C(C1)C(N121)C122C(C1)C(N122)C123C(C1)C(N123)C124C(C1)C(N124)C125C(C1)C(N125)C126C(C1)C(N126)C127C(C1)C(N127)C128C(C1)C(N128)C129C(C1)C(N129)C130C(C1)C(N130)C131C(C1)C(N131)C132C(C1)C(N132)C133C(C1)C(N133)C134C(C1)C(N134)C135C(C1)C(N135)C136C(C1)C(N136)C137C(C1)C(N137)C138C(C1)C(N138)C139C(C1)C(N139)C140C(C1)C(N140)C141C(C1)C(N141)C142C(C1)C(N142)C143C(C1)C(N143)C144C(C1)C(N144)C145C(C1)C(N145)C146C(C1)C(N146)C147C(C1)C(N147)C148C(C1)C(N148)C149C(C1)C(N149)C150C(C1)C(N150)C151C(C1)C(N151)C152C(C1)C(N152)C153C(C1)C(N153)C154C(C1)C(N154)C155C(C1)C(N155)C156C(C1)C(N156)C157C(C1)C(N157)C158C(C1)C(N158)C159C(C1)C(N159)C160C(C1)C(N160)C161C(C1)C(N161)C162C(C1)C(N162)C163C(C1)C(N163)C164C(C1)C(N164)C165C(C1)C(N165)C166C(C1)C(N166)C167C(C1)C(N167)C168C(C1)C(N168)C169C(C1)C(N169)C170C(C1)C(N170)C171C(C1)C(N171)C172C(C1)C(N172)C173C(C1)C(N173)C174C(C1)C(N174)C175C(C1)C(N175)C176C(C1)C(N176)C177C(C1)C(N177)C178C(C1)C(N178)C179C(C1)C(N179)C180C(C1)C(N180)C181C(C1)C(N181)C182C(C1)C(N182)C183C(C1)C(N183)C184C(C1)C(N184)C185C(C1)C(N185)C186C(C1)C(N186)C187C(C1)C(N187)C188C(C1)C(N188)C189C(C1)C(N189)C190C(C1)C(N190)C191C(C1)C(N191)C192C(C1)C(N192)C193C(C1)C(N193)C194C(C1)C(N194)C195C(C1)C(N195)C196C(C1)C(N196)C197C(C1)C(N197)C198C(C1)C(N198)C199C(C1)C(N199)C200C(C1)C(N200)C201C(C1)C(N201)C202C(C1)C(N202)C203C(C1)C(N203)C204C(C1)C(N204)C205C(C1)C(N205)C206C(C1)C(N206)C207C(C1)C(N207)C208C(C1)C(N208)C209C(C1)C(N209)C210C(C1)C(N210)C211C(C1)C(N211)C212C(C1)C(N212)C213C(C1)C(N213)C214C(C1)C(N214)C215C(C1)C(N215)C216C(C1)C(N216)C217C(C1)C(N217)C218C(C1)C(N218)C219C(C1)C(N219)C220C(C1)C(N220)C221C(C1)C(N221)C222C(C1)C(N222)C223C(C1)C(N223)C224C(C1)C(N224)C225C(C1)C(N225)C226C(C1)C(N226)C227C(C1)C(N227)C228C(C1)C(N228)C229C(C1)C(N229)C230C(C1)C(N230)C231C(C1)C(N231)C232C(C1)C(N232)C233C(C1)C(N233)C234C(C1)C(N234)C235C(C1)C(N235)C236C(C1)C(N236)C237C(C1)C(N237)C238C(C1)C(N238)C239C(C1)C(N239)C240C(C1)C(N240)C241C(C1)C(N241)C242C(C1)C(N242)C243C(C1)C(N243)C244C(C1)C(N244)C245C(C1)C(N245)C246C(C1)C(N246)C247C(C1)C(N247)C248C(C1)C(N248)C249C(C1)C(N249)C250C(C1)C(N250)C251C(C1)C(N251)C252C(C1)C(N252)C253C(C1)C(N253)C254C(C1)C(N254)C255C(C1)C(N255)C256C(C1)C(N256)C257C(C1)C(N257)C258C(C1)C(N258)C259C(C1)C(N259)C260C(C1)C(N260)C261C(C1)C(N261)C262C(C1)C(N262)C263C(C1)C(N263)C264C(C1)C(N264)C265C(C1)C(N265)C266C(C1)C(N266)C267C(C1)C(N267)C268C(C1)C(N268)C269C(C1)C(N269)C270C(C1)C(N270)C271C(C1)C(N271)C272C(C1)C(N272)C273C(C1)C(N273)C274C(C1)C(N274)C275C(C1)C(N275)C276C(C1)C(N276)C277C(C1)C(N277)C278C(C1)C(N278)C279C(C1)C(N279)C280C(C1)C(N280)C281C(C1)C(N281)C282C(C1)C(N282)C283C(C1)C(N283)C284C(C1)C(N284)C285C(C1)C(N285)C286C(C1)C(N286)C287C(C1)C(N287)C288C(C1)C(N288)C289C(C1)C(N289)C290C(C1)C(N290)C291C(C1)C(N291)C292C(C1)C(N292)C293C(C1)C(N293)C294C(C1)C(N294)C295C(C1)C(N295)C296C(C1)C(N296)C297C(C1)C(N297)C298C(C1)C(N298)C299C(C1)C(N299)C300C(C1)C(N300)C301C(C1)C(N301)C302C(C1)C(N302)C303C(C1)C(N303)C304C(C1)C(N304)C305C(C1)C(N305)C306C(C1)C(N306)C307C(C1)C(N307)C308C(C1)C(N308)C309C(C

STN INTERNATIONAL LOGOFF AT 14:38:26 ON 29 APR 2005